

# Rosemount™ 3408 Level Transmitter

Replacement of Electronic Deposit Box



# 1 About this guide

This guide provides instructions for replacing the electronics cassette (Electronic Deposit Box, EDB) on the Rosemount 3408 Level Transmitter. Refer to the Rosemount 3408 [Reference Manual](#) for more instructions.

## 1.1 Safety messages

### **⚠ WARNING**

**Failure to follow safe installation and servicing guidelines could result in death or serious injury.**

Ensure the transmitter is installed by qualified personnel and in accordance with applicable code of practice.

For installations in hazardous locations, the transmitter must be installed according to the Rosemount 3408 [Product Certifications](#) document and System Control Drawing.

### **⚠ WARNING**

**Explosions could result in death or serious injury.**

Before connecting a handheld communicator in an explosive atmosphere, ensure that the instruments are installed in accordance with intrinsically safe or non-incendive field wiring practices.

In Explosion-proof/Flameproof and Non-Incendive/Type Ex ec installations, do not remove the transmitter cover when power is applied to the transmitter.

The transmitter cover must be fully engaged to meet Explosion-proof/Flameproof requirements.

### **⚠ WARNING**

**Electrical shock could cause death or serious injury.**

Ensure the mains power to the transmitter is off and the lines to any other external power source are disconnected or not powered while wiring the transmitter.

**⚠ WARNING****Process leaks could result in death or serious injury.**

Ensure the transmitter is handled carefully. If the process seal is damaged, gas might escape from the tank.

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**⚠ WARNING****Physical access**

Unauthorized personnel may potentially cause significant damage to and/or misconfiguration of end users' equipment. This could be intentional or unintentional and needs to be protected against.

Physical security is an important part of any security program and fundamental in protecting your system. Restrict physical access by unauthorized personnel to protect end users' assets. This is true for all systems used within the facility.

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**⚠ CAUTION****Hot surfaces**

The flange and process seal may be hot at high process temperatures. Allow to cool before servicing.



## 1.2 Product recycling/disposal

Recycling of equipment and packaging should be taken into consideration and disposed of in accordance with local and national legislation or regulations.

## 1.3 Required tools

- Small screwdriver
- Torx T20 screwdriver

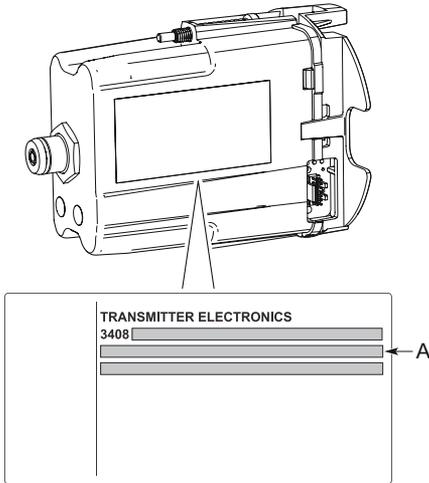
## 2 Check the model code

### Procedure

Check that the model code on the electronics cassette (Electronic Deposit Box, EDB) is correct for the application.

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**Figure 2-1: EDB Main Label**



A. Model code

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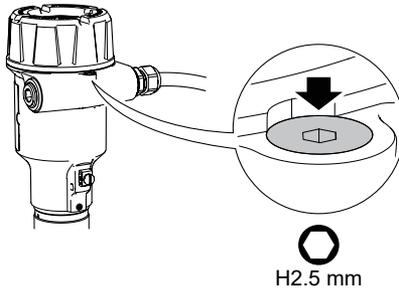
### 3 Replace the Electronic Deposit Box (EDB)

#### Prerequisites

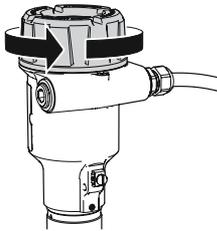
Make sure that the device is not exposed to moisture or dust.

#### Procedure

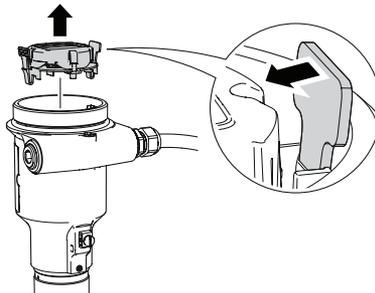
1. ⚠️ Disconnect the power supply.
2. Turn the jam screw clockwise until it is completely threaded into the housing.



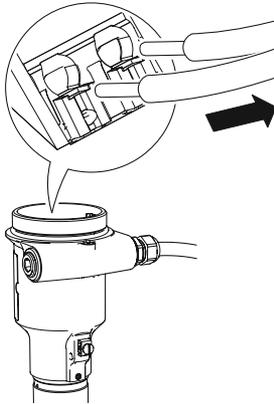
3. Remove the cover.



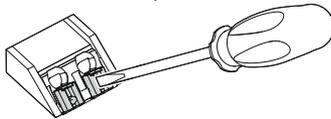
4. Remove the LCD display (if fitted).



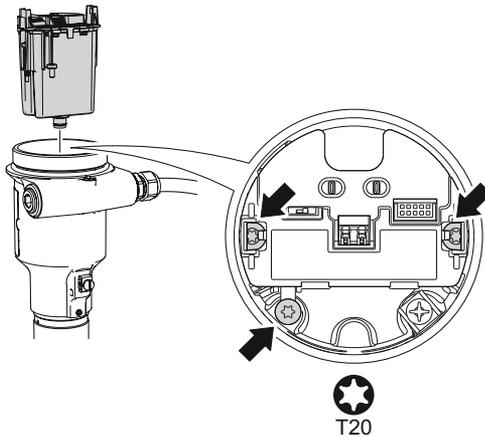
5. Make note of the cable routing and disconnect the cables from the EDB.



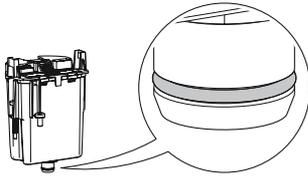
Use a small screwdriver to press down and hold the terminal connection open.



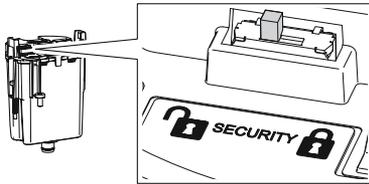
6. Loosen the three screws on the EDB, and then remove the EDB.



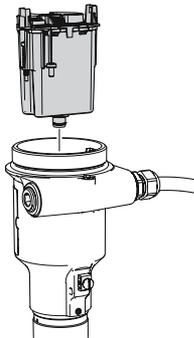
- 7. Verify the O-ring on the new EDB is in place.



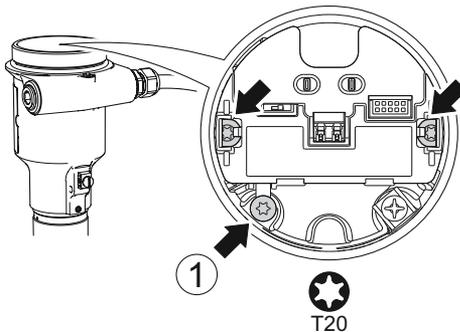
- 8. Ensure the security switch is in the unlocked (🔓) position.



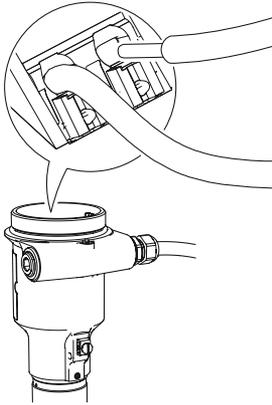
- 9. Gently insert the new EDB until it stops, and then firmly push it all the way in.



- 10. Tighten the three screws to torque 20 in-lb (2 N-m), starting with the screw at position 1.



11. Connect the cable wires.

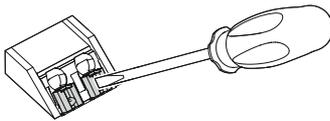


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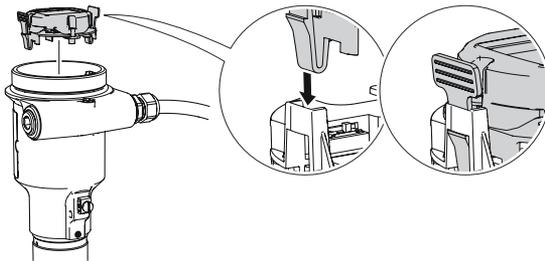
**Note**

When connecting a flexible (stranded) conductor, use a small screwdriver to press down and hold the terminal connection open.

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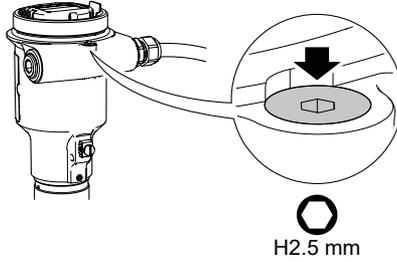


12. Insert the LCD display into the compartment until you hear a "click" sound.

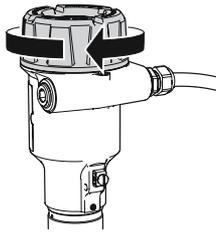


13. Attach and tighten the cover.

- a) Verify the cover jam screw is completely threaded into the housing.

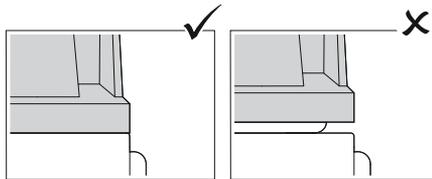


- b) Attach and tighten the cover.



**Note**

Make sure the cover is fully engaged. There should be no gap between the cover and the housing.



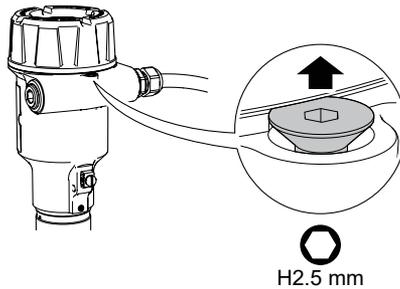
- c) Turn the jam screw counterclockwise until it contacts the cover.

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**Note**

Required for explosion-proof/flameproof installations only.

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- d) Turn the jam screw an additional  $\frac{1}{2}$  turn counterclockwise to secure the cover.

14. Connect the power supply.

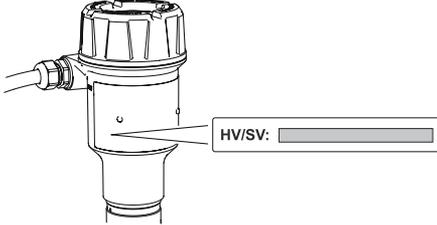
**Postrequisites**

Re-configure the device.

## 4 Affix the sticker

### Procedure

Affix the provided HV/SV sticker on the main label.





**Quick Start Guide**  
**00825-0200-4418, Rev. AB**  
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